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| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/632,571 | 07/28/2003 | William H. Hildebrand | 5846.005 |

30589
 DUNLAP, CODDING & ROGERS P.C.
 PO BOX 16370
 OKLAHOMA CITY, OK 73113



CONFIRMATION NO. 5014

FORMALITIES LETTER



OC000000011207588

Date Mailed: 11/06/2003

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Filing Date Granted

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- This application clearly fails to comply with the requirements of 37 CFR. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

Replies should be mailed to: Mail Stop Missing Parts
 Commissioner for Patents
 P.O. Box 1450

Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

A handwritten signature in black ink, appearing to be 'Z. H.', is written over a horizontal line.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

APPROVED

for

PTO DEPOSIT ACCOUNT CHARGE
ACCOUNT 04-1700Express Mail No.: EL 984585697 US
Date Deposited: 01/28/2004

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL

JAN 28 2004

for FY 2004

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 55

Complete if Known

| | |
|----------------------|-------------------------------|
| Application Number | 10/632,571 |
| Filing Date | 07/28/2003 |
| First Named Inventor | William H. Hildebrand, et al. |
| Examiner Name | Unknown |
| Art Unit | Unknown |
| Attorney Docket No. | 5846.005 |

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number

04-1700

Deposit Account Name

Dunlap, Codding & Rogers, P.C.

Customer No. 30589

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001 770 | 2001 385 | Utility filing fee | |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |

SUBTOTAL (1) (\$ 0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Independent Claims | ** = | X | \$0 |
| Multiple Dependent | ** = | X | \$0 |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|--|
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 86 | 2201 43 | Independent claims in excess of 3 |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|---------------|---------------|--|----------|
| 1051 130 | 2051 65 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | Non-English specification | |
| 1812 2,520 | 1812 2,520 | For filing a request for ex parte reexamination | |
| 1804 920* | 1804 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action | 55 |
| 1251 110 | 2251 55 | Extension for reply within first month | |
| 1252 420 | 2252 210 | Extension for reply within second month | |
| 1253 950 | 2253 475 | Extension for reply within third month | |
| 1254 1,480 | 2254 740 | Extension for reply within fourth month | |
| 1255 2,010 | 2255 1,005 | Extension for reply within fifth month | |
| 1401 330 | 2401 165 | Notice of Appeal | |
| 1402 330 | 2402 165 | Filing a brief in support of an appeal | |
| 1403 290 | 2403 145 | Request for oral hearing | |
| 1451 1,510 | 1451 1,510 | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | Petition to revive - unavoidable | |
| 1453 1,330 | 2453 665 | Petition to revive - unintentional | |
| 1501 1,330 | 2501 665 | Utility issue fee (or reissue) | |
| 1502 480 | 2502 240 | Design issue fee | |
| 1503 640 | 2503 320 | Plant issue fee | |
| 1460 130 | 1460 130 | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 180 | 1806 180 | Submission of Information Disclosure Stmt | |
| 8021 40 | 8021 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 770 | 2809 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 770 | 2810 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 770 | 2801 385 | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 55

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)

Douglas J. Sorocco

Registration No.

43,145

Telephone (405) 607-8600

Signature

Date

01/28/2004

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PO Box 1450, Alexandria, VA 22313-1450

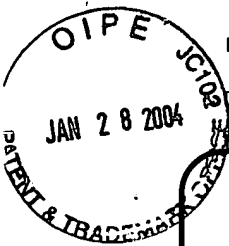
01-29-04
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ACCOUNT# 04-1700

Express Mail No. EL 984585697 US

Deposited on: January 28, 2004

DUNLAP, CODDING & ROGERS, P.C.

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Box 509

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/632,571

Filing Date

07/28/2003

First Named Inventor

William H. Hildebrand

Group Art Unit

Unknown

Examiner Name

Unknown

Attorney Docket Number

5846.005

ENCLOSURES (check all that apply)

- ☒ Fee Transmittal Form
☐ Fee Attached
- ☒ Amendment / Reply
☐ After Final
☐ Affidavits/declaration(s)
- ☒ Extension of Time Request
☐ Express Abandonment Request
☐ Information Disclosure Statement
☐ Certified Copy of Priority Document(s)
- ☒ Response to Missing Parts/
Incomplete Application
☐ Response to Missing Parts
under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers
(for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a
Provisional Application
- ☐ Power of Attorney, Revocation
Change of Correspondence
Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____

- ☐ After Allowance Communication
to Group
- ☐ Appeal Communication to Board
of Appeals and Interferences
- ☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please
identify below):

See remarks below:

Remarks

1. Transmittal Form (1 page);
2. Fee Transmittal (1 page);
3. Completion of Filing Requirements (2 pages);
4. Copy of Notice to Comply With Requirements...(2 page);
5. Preliminary Amendment (4 pages);
7. Sequence Listing-Paper Form (2 pages);
9. Return Receipt Postcard.
6. Petition for Extension of Time (1 page);
8. Sequence Listing-3.5 inch diskette; and

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual nameDUNLAP, CODDING & ROGERS, P.C., Customer Number 30589
Attn.: Douglas J. Sorocco, P. O. Box 16370, Oklahoma City, Oklahoma 73113

Signature

Date

1-28-04

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Typed or printed name

Douglas J. Sorocco, Reg. 43,145

Signature

Date

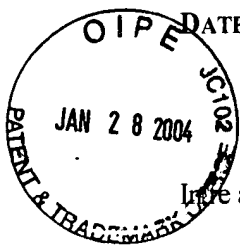
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PATENT

DATE DEPOSITED: 1/28/2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: William H. Hildebrand, et al.

Application No.: 10/632,571

Group No.: Unknown

Filed: 07/28/2003

Examiner: Unknown

For: CLASS I SEQUENCE BASED TYPING OF
HLA-A, -B, AND -C ALLELES BY DIRECT DNA
SEQUENCING

Docket No.: 5846.005

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P.O. Box 1450
Alexandria, VA 22313-1450

COMPLETION OF FILING REQUIREMENTS
- NON-PROVISIONAL APPLICATION

In response to the Notice To Comply With Requirements For Patent Applications
Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures mailed November 6, 2003



A copy of the Notice - Filing Date Granted is enclosed.



Oath & Declaration For Utility or Design Patent Application
(37 CFR 1.63). (___ pages)



The declaration or oath that was filed was determined to be defective. A new original oath or declaration is attached. (Complete (a) or (b) if applicable).



(a) Statement by a registered attorney that the application filed in the PTO is the application that the inventor executed by signing the declaration.



(b) Statement that the "attached" specification is a copy of the specification and any amendments thereto that were filed in the PTO to obtain the filing date.

- ☐ Assignment (___ pages)
- ☐ Recordation Form Cover Sheet
- ☐ Power of Attorney/Agent and Certificate Under 37 CFR 3.73(b). (___ pages)
- ☒ Sequence Listing. (2_ pages)
- ☐ Amendment in response to Missing Parts mailed _____ adding ____
pages of the sequence listing to the specification
- ☐ Statement That Content of the Paper and Computer Readable Copy Are the
Same and Contain No New Matter
- ☒ Computer readable form copy in ASCII format of the Sequence Listing
- ☒ Other Preliminary Amendment including Statement That Content of the Paper and
Computer Readable Copy Are the Same and Contain No New Matter

Respectfully submitted,



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